

**Notice of Allowability**

Application No.	Applicant(s)
10/719,814	KAMEI ET AL.
Examiner	Art Unit
Jared I. Rutz	2187

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to 2/13/2007.
2.  The allowed claim(s) is/are 1-20.
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All    b)  Some\*    c)  None    of the:
    1.  Certified copies of the priority documents have been received.
    2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached  
1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of  
Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

**DETAILED ACTION**

1. Claims 1-20, as amended on 2/13/2007 with the filing of a Request for Continued Examination, are pending in the instant application. Applicant's arguments submitted 2/13/2007 have been carefully and fully considered, and are persuasive. The grounds of rejection presented in the Final Office action of 11/13/2006 are withdrawn. Accordingly, this application is in condition for allowance.

***Reasons for Allowance***

2. **Claims 1-20** are allowed.
3. **Claim 1** has been amended to recite the limitation "*the control means determining, prior to the execution of a task, whether or not processing of the task is possible only with access to the cache in accordance with the amount of memory needed to process the task, and then, when it is determined that the processing is possible, inhibiting access to the external memory*". This limitation is taught by the specification at least at page 32 line 21 through page 33 line 1, and is argued by Applicant in pages 11-12 of the remarks filed 2/13/2007. This limitation, in combination with the other recited limitations of claim 1, is not taught or suggested by the prior art of record.
4. **Claims 2-8** depend from claim 1, and are considered allowable for at least the same reasons as claim 1.
5. **Claim 9** has been amended to recite the limitation "*the CPU including control means for determining, prior to the execution of a task, whether or not processing of the*

*task is possible only with access to the cache in accordance with the amount of memory needed to process the task, and then, when it is determined that the processing is possible, inhibiting access to the external memory".* This limitation is taught by the specification at least at page 32 line 21 through page 33 line 1, and is argued by Applicant in pages 11-12 of the remarks filed 2/13/2007. This limitation, in combination with the other recited limitations of claim 9, is not taught or suggested by the prior art of record.

6. **Claim 10** depends from claim 9, and is considered allowable for at least the same reasons as claim 9.

7. **Claim 11** has been amended to recite the limitation "*determining, prior to the execution of a task, whether or not processing of the task is possible only with access to the cache in accordance with the amount of memory needed to process the task*". This limitation is taught by the specification at least at page 32 line 21 through page 33 line 1, and is argued by Applicant in pages 11-12 of the remarks filed 2/13/2007. This limitation, in combination with the other recited limitations of claim 11, is not taught or suggested by the prior art of record.

8. **Claims 12-18** depend from claim 11, and are considered allowable for at least the same reasons as claim 11.

9. **Claim 19** has been amended to recite the limitation "*the controller determines, prior to the execution of a task, whether or not processing of the task is possible only with access to the cache in accordance with the amount of memory needed to process the task, and then, when it is determined that the processing is possible, inhibiting*

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*access to the external memory".* This limitation is taught by the specification at least at page 32 line 21 through page 33 line 1, and is argued by Applicant in pages 11-12 of the remarks filed 2/13/2007. This limitation, in combination with the other recited limitations of claim 19, is not taught or suggested by the prior art of record.

10. **Claim 20** has been amended to recite the limitation "wherein the CPU including a controller which determines, prior to the execution of a task, whether or not processing of the task is possible only with access to the cache in accordance with the amount of memory needed to process the task, and then, when it is determined that the processing is possible, inhibiting access to the external memory". This limitation is taught by the specification at least at page 32 line 21 through page 33 line 1, and is argued by Applicant in pages 11-12 of the remarks filed 2/13/2007. This limitation, in combination with the other recited limitations of claim 20, is not taught or suggested by the prior art of record.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jared I. Rutz whose telephone number is (571) 272-5535. The examiner can normally be reached on M-F 8:00 AM - 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Donald Sparks can be reached on (571) 272-4201. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

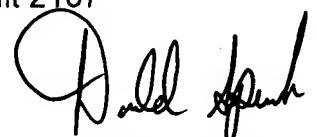
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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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DONALD SPARKS  
SUPERVISORY PATENT EXAMINER